

SCORE Search Results Details for Application 10529592 and Search Result 20090516_085910_us-10-529-592a-1.rni.

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This page gives you Search Results detail for the Application 10529592 and Search Result 20090516_085910_us-10-529-592a-1.rni.

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OM nucleic - nucleic search, using sw model

Run on: May 19, 2009, 19:00:52 ; Search time 2614 Seconds
(without alignments)
2398.716 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9875436 seqs, 3558593875 residues

Total number of hits satisfying chosen parameters: 19750872

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

- 1: /ABSS/Data/CRF/ptodata/1/ina/1_COMB.seq:*
- 2: /ABSS/Data/CRF/ptodata/1/ina/5_COMB.seq:*
- 3: /ABSS/Data/CRF/ptodata/1/ina/6A_COMB.seq:*
- 4: /ABSS/Data/CRF/ptodata/1/ina/6B_COMB.seq:*
- 5: /ABSS/Data/CRF/ptodata/1/ina/7A_COMB.seq:*
- 6: /ABSS/Data/CRF/ptodata/1/ina/7B_COMB.seq:*
- 7: /ABSS/Data/CRF/ptodata/1/ina/7C_COMB.seq:*
- 8: /ABSS/Data/CRF/ptodata/1/ina/7D_COMB.seq:*
- 9: /ABSS/Data/CRF/ptodata/1/ina/HA_COMB.seq:*
- 10: /ABSS/Data/CRF/ptodata/1/ina/HB_COMB.seq:*

11: /ABSS/Data/CRF/ptodata/1/ina/PCTUS_COMB.seq:*
 12: /ABSS/Data/CRF/ptodata/1/ina/PP_COMB.seq:*
 13: /ABSS/Data/CRF/ptodata/1/ina/RE_COMB.seq:*
 14: /ABSS/Data/CRF/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		DB	ID	Description
		% Match	Length			
c 1	611	69.4	614	5	US-10-342-887-2531	Sequence 2531, Ap
c 2	48	5.4	435	9	US-09-925-065A-489708	Sequence 489708,
3	48	5.4	491	9	US-09-925-065A-476799	Sequence 476799,
c 4	48	5.4	573	9	US-09-925-065A-489707	Sequence 489707,
5	48	5.4	598	9	US-09-925-065A-476800	Sequence 476800,
c 6	47.2	5.4	1501	7	US-09-815-264-24819	Sequence 24819, A
c 7	47.2	5.4	88445	7	US-09-815-264-62185	Sequence 62185, A
8	46.8	5.3	1074	6	US-10-369-493-40685	Sequence 40685, A
9	46.6	5.3	937	7	US-09-815-264-42661	Sequence 42661, A
10	46.6	5.3	5193	7	US-09-815-264-74174	Sequence 74174, A
11	46.2	5.2	1166	7	US-09-815-264-71852	Sequence 71852, A
12	46.2	5.2	11006	7	US-09-815-264-72063	Sequence 72063, A
c 13	46	5.2	23091	7	US-09-815-264-71914	Sequence 71914, A
c 14	45.4	5.2	905	7	US-09-815-264-7843	Sequence 7843, Ap
15	45.4	5.2	5022	7	US-09-815-264-82346	Sequence 82346, A
c 16	44.8	5.1	570	5	US-10-703-032-53884	Sequence 53884, A
17	44.2	5.0	25846	7	US-09-815-264-74363	Sequence 74363, A
c 18	44.2	5.0	33031	7	US-09-815-264-79040	Sequence 79040, A
c 19	44.2	5.0	45318	7	US-09-815-264-81171	Sequence 81171, A
20	44	5.0	957	3	US-09-902-540-2935	Sequence 2935, Ap
21	44	5.0	23417	3	US-09-902-540-1207	Sequence 1207, Ap
c 22	43.6	4.9	10047	7	US-09-815-264-88131	Sequence 88131, A
c 23	43.2	4.9	495	5	US-10-703-032-54541	Sequence 54541, A
c 24	43	4.9	1278	8	US-10-874-242-6	Sequence 6, Appli
25	43	4.9	1521	3	US-09-949-016-5766	Sequence 5766, Ap
c 26	43	4.9	1525	3	US-09-964-895-3	Sequence 3, Appli
c 27	43	4.9	1525	3	US-10-651-013-3	Sequence 3, Appli
c 28	43	4.9	1525	5	US-10-832-353-3	Sequence 3, Appli
c 29	43	4.9	4211	6	US-10-252-111A-3	Sequence 3, Appli
c 30	43	4.9	4286	3	US-09-899-634C-1	Sequence 1, Appli
c 31	43	4.9	5630	5	US-10-473-637-9	Sequence 9, Appli
c 32	43	4.9	5759	3	US-09-954-483B-14	Sequence 14, Appl
c 33	43	4.9	6148	3	US-09-954-483B-13	Sequence 13, Appl
c 34	43	4.9	8033	3	US-09-574-779B-134	Sequence 134, App
35	43	4.9	28374	3	US-09-949-016-17508	Sequence 17508, A
c 36	42.8	4.9	563	7	US-09-815-264-82517	Sequence 82517, A
37	42.8	4.9	1252	8	US-10-098-754-10444	Sequence 10444, A
38	42.8	4.9	77294	7	US-10-729-802A-1	Sequence 1, Appli

	39	42.6	4.8	1383	6	US-10-369-493-31801	Sequence 31801, A
	40	42.6	4.8	3477	5	US-10-173-999-11	Sequence 11, Appl
	41	42.6	4.8	26297	7	US-09-815-264-72253	Sequence 72253, A
	42	42.6	4.8	36372	7	US-09-815-264-72285	Sequence 72285, A
c	43	42.2	4.8	774	3	US-08-415-655-11	Sequence 11, Appl
	44	42.2	4.8	15573	7	US-09-815-264-61089	Sequence 61089, A
	45	42	4.8	972	3	US-09-252-991A-3993	Sequence 3993, Ap

ALIGNMENTS

RESULT 1

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US-10-342-887-2531/c
; Sequence 2531, Application US/10342887
; Patent No. 7171311
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 2531
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-2531

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Query Match          69.4%; Score 611; DB 5; Length 614;
Best Local Similarity 100.0%; Pred. No. 7e-142;
Matches 611; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	271	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	330
Db	614	GACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAGGGACTTGGGGAGC	555
Qy	331	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC	390

Db	554	ACAGTCTGGCTGGATGAGACAGGGTCGTGCCAGATGATGGAGAAATCGACCCAGAAGCC	495
Qy	391	TGAGGAGGTGTCTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	450
Db	494	TGAGGAGGTGTCTCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGT	435
Qy	451	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	510
Db	434	CCGGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGGGAACCTGAGCGAAC	375
Qy	511	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	570
Db	374	CCGGGCCTCCGCTCAGAGAGACGTGGCAGGACCAGCGAGGAATCCAGCCTGTCCACTTCC	315
Qy	571	AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGACCTCTGACACCTCCAGGTTCCTTG	630
Db	314	AGAACAGTGTTTCCAGGCCCGCTGAGTGGACCGACCTCTGACACCTCCAGGTTCCTTG	255
Qy	631	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTTGCTGTTGGGGTCCCAGGGAGAG	690
Db	254	CTGACTCCGGCCTGGTGAAAGGGAGCGCCATGGTCTTGCTGTTGGGGTCCCAGGGAGAG	195
Qy	691	GCTCTCTTCTGGACAAACACACCCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTG	750
Db	194	GCTCTCTTCTGGACAAACACACCCTCCAGCCCCAGGGCTGTGCAAAACACATGCCCTG	135
Qy	751	CCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTTATAAGTTGTTTTA	810
Db	134	CCATAAGCACCAACAAGAACTTCTTGCAAGTGGAGTGGCTGTTTTTTATAAGTTGTTTTA	75
Qy	811	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCAATTATAAATAAAGA	870
Db	74	CAGATACGGAACAGTCCAAAATGGGATTTATAATTTCTTTTTTGCAATTATAAATAAAGA	15
Qy	871	TCCTCTGTAAC	881
Db	14	TCCTCTGTAAC	4

RESULT 2

US-09-925-065A-489708/c

; Sequence 489708, Application US/09925065A

; Patent No. H002191

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single

; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.135

; CURRENT APPLICATION NUMBER: US/09/925,065A

; CURRENT FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: US 60/243,096

; PRIOR FILING DATE: 2000-10-24

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; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 489708
;   LENGTH: 435
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-065A-489708

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```

Query Match          5.4%; Score 48; DB 9; Length 435;
Best Local Similarity 100.0%; Pred. No. 0.097;
Matches   48; Conservative    0; Mismatches    0; Indels      0; Gaps      0;

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Qy      144  GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
           |||
Db       71  GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 24

```

RESULT 3

US-09-925-065A-476799

```

; Sequence 476799, Application US/09925065A
; Patent No. H002191
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 476799
;   LENGTH: 491
;   TYPE: DNA
;   ORGANISM: Homo sapiens

```

US-09-925-065A-476799

Query Match 5.4%; Score 48; DB 9; Length 491;
 Best Local Similarity 100.0%; Pred. No. 0.1;
 Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 144 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
 ||||||||||||||||||||||||||||||||||||||||
 Db 368 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 415

RESULT 4

US-09-925-065A-489707/c
 ; Sequence 489707, Application US/09925065A
 ; Patent No. H002191
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 489707
 ; LENGTH: 573
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-925-065A-489707

Query Match 5.4%; Score 48; DB 9; Length 573;
 Best Local Similarity 100.0%; Pred. No. 0.11;
 Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 144 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
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 Db 211 GGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 164

RESULT 5

US-09-925-065A-476800
 ; Sequence 476800, Application US/09925065A

```

; Patent No. H002191
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 476800
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-476800

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Query Match          5.4%; Score 48; DB 9; Length 598;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches    48; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

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Qy      144  GGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 191
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Db      363  GGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGG 410

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RESULT 6

US-09-815-264-24819/c

```

; Sequence 24819, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23

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; PRIOR APPLICATION NUMBER: US 09/620,392
 ; PRIOR FILING DATE: 2000-07-19
 ; PRIOR APPLICATION NUMBER: US 09/702,134
 ; PRIOR FILING DATE: 2000-10-31
 ; NUMBER OF SEQ ID NOS: 109669
 ; SEQ ID NO 24819
 ; LENGTH: 1501
 ; TYPE: DNA
 ; ORGANISM: Oryza sativa
 US-09-815-264-24819

Query Match 5.4%; Score 47.2; DB 7; Length 1501;
 Best Local Similarity 48.2%; Pred. No. 0.24;
 Matches 133; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

Qy	50	CCGAGCCCCGACCGCCGCCACCACCAGCGCCCGGGGGGGCTCGCGCGCTCGGG	109
Db	873	CCATTCATTCCACCACCCCAAAAAATCTCCACCCGCCGCCCTCCGGCGACACCGC	814
Qy	110	CGCGGCTCCGAGTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGC	169
Db	813	CACCGCCACCGGAGAGATGTTGCTGGTGAGCCAGGCGCCAAATGGTTCGGTCTCCGCGC	754
Qy	170	TTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCCACG	229
Db	753	GGCGGCTGCCCTCCAAGCAGCCCGGCCGCCAGCGGCTAGCGGCAGCAGCAGCGTCCCA	694
Qy	230	ACGAGGCCCCCGTCCTGAACGACAAAGCACCTGGACGTGCCCGACATCATCATACGCCCC	289
Db	693	ACCGGTACCGCTCTTCGCCACCGCGCCTTCTTCGACCGCGCCGCCGCCCTCG	634
Qy	290	CCACCCCCACGGGATGATGCTGCCAGGGACTTGG	325
Db	633	CGCTCTCCGGCGCGACGCGGGGGGGCCCTCG	598

RESULT 7

US-09-815-264-62185/c
 ; Sequence 62185, Application US/09815264
 ; Patent No. 7365185
 ; GENERAL INFORMATION:
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Dotson, Stanton B.
 ; APPLICANT: Koshi, Jeffrey M.
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: McIninch, James
 ; APPLICANT: Wu, Wei
 ; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
 ; FILE REFERENCE: 38-21(51237)G
 ; CURRENT APPLICATION NUMBER: US/09/815,264


```

; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 62185
; LENGTH: 88445
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(88445)
; OTHER INFORMATION: unsure at all n locations
US-09-815-264-62185

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Query Match          5.4%; Score 47.2; DB 7; Length 88445;
Best Local Similarity 48.2%; Pred. No. 1;
Matches 133; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

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Qy      50  CCGAGCCCCGACCGCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGG 109
           || || || || || || || || || || || || || || || || || || || ||
Db      58817 CCATTCCATTCCACCACCCCCAAAAAATCTCCACCCGCGCGCCTCCGGCGACACCGCG 58758

Qy      110 CGCGGGCTCCGCAGTGAGCCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGC 169
           || || || || || || || || || || || || || || || || || || || ||
Db      58757 CACCGCCCAACGGAGAGATGTTGCTGGTGAGCCAGGCGGCCAATGTTTCCGTCTCCGCGC 58698

Qy      170 TTAAGATGTCTGCCTGAAAGGCTTTCAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACG 229
           || || || || || || || || || || || || || || || || || || || ||
Db      58697 GGCGGCTGCCCTCCAAGCAGCCCGGCCGCCAGCGGCTAGCGGCAGCAGCAGCGTCCCCA 58638

Qy      230 ACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCC 289
           || || || || || || || || || || || || || || || || || || || ||
Db      58637 ACCCGTACCCGCTCTTTCGCCACCACGCGCCTTCTTCGCGACCGCGCGCGCGCGCCTCG 58578

Qy      290 CCACCCCCACGGGCATGATGCTGCCGAGGGACTTGG 325
           | | || | | || || || || || || || || || || || || || || || ||
Db      58577 CGCTCTCCGGCGCGACGCGCGGGGGGGGCCCTCG 58542

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RESULT 8

US-10-369-493-40685

; Sequence 40685, Application US/10369493

; Patent No. 7314974

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

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; TITLE OF INVENTION:  PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 40685
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Caulobacter crescentus
US-10-369-493-40685
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Query Match 5.3%; Score 46.8; DB 6; Length 1074;
 Best Local Similarity 50.0%; Pred. No. 0.26;
 Matches 117; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

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Qy      75 CCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCGAGTGAGCCCACCAA 134
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      825 GCACAAGCGCGTCCCGGCCACGGCGAGGACCTGGAGCGCCTGCGCAAGAACC GCATCCT 884

Qy      135 GAAGGAAGCGGCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTT 194
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      885 GATCGACGGCGCGTTCGGCGAGGAAGGGCTCTTGCTGCAGATCTTACCAGAGAACCTGTT 944

Qy      195 TCAAAATGTGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGCTCTGAACGACAA 254
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      945 TGGTCCGATCTTCTTCGAGATCATCCAGCGCAAGGGCAATGAAGGCTTCGGCAACGGGCAA 1004

Qy      255 GCACCTGGACGTGCCCCGACATCATCATACGCCCCCCCCCCCCACGGGCATGAT 308
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1005 CTTCCAGGCCTGTTTCGAGAGCATCGAAGTGGACCATCCGCCGCGCGGTGAT 1058
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RESULT 9

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US-09-815-264-42661
; Sequence 42661, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
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; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 42661
; LENGTH: 937
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-815-264-42661
```

Query Match 5.3%; Score 46.6; DB 7; Length 937;
Best Local Similarity 56.1%; Pred. No. 0.28;
Matches 88; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

Qy	4	CCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCCG	63
Db	360	CCACCGCGCGCCGCCGCCGCGCGCGCGACTCCACTTCCACCGCGCGCGCGCCACCTC	419
Qy	64	CGCCGCCACCACCACGAGCGCCGGCGGGCCTCGCGCGCTCGGGCGGGCTCCGCAGT	123
Db	420	CACCTCCACCGCCACGCGCGCGCTGCGCGCGACTCCACCTCCGCGCGTGC CGCGCGCC	479
Qy	124	GAGCCCAACAAGAAGGAGCGGCCTGCAGAGGTGCCG	160
Db	480	GACTCCACCGCGCGCGCGCGCGCGGACTTTAG	516

RESULT 10

```

US-09-815-264-74174
; Sequence 74174, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 74174
; LENGTH: 5193
; TYPE: DNA

```

; ORGANISM: Oryza sativa
US-09-815-264-74174

Query Match 5.3%; Score 46.6; DB 7; Length 5193;
Best Local Similarity 56.1%; Pred. No. 0.52;
Matches 88; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

Qy	4	CCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGCCCCCGAGCCCGACCCG	63
Db	360	CCACCGCGCGCGCGCGCGCGCGCGACTCCACTTCCACCGCGCGCGCGCGCCACCTC	419
Qy	64	CGCCGCCACCAACCACAGCGCCCGGGCGGGCTCGCGCGCTCGGGCGGGCTCCGCAGT	123
Db	420	CACCTCCACGCCACCGCGCGCTGCGCGCGACTCCACCTCCGCGCTGCCGCGGCC	479
Qy	124	GAGCCCAACGAAGAAGCGGCCTGCAGAGGTGCCG	160
Db	480	GACTCCACGCGCGCGCGCGCGCGCGACTTTACG	516

RESULT 11

```

US-09-815-264-71852
; Sequence 71852, Application US/09815264
; Patent No. 7365185
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Cao, Yongwei
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Koshi, Jeffrey M.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: McIninch, James
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51237)G
; CURRENT APPLICATION NUMBER: US/09/815,264
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: US 09/620,392
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: US 09/702,134
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 109669
; SEQ ID NO 71852
; LENGTH: 1166
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-815-264-71852

```

Query Match 5.2%; Score 46.2; DB 7; Length 1166;
Best Local Similarity 47.2%; Pred. No. 0.38;
Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;

```

Qy      47  CCCCCGAGCCCGACCGCCGCCACCACCAGCGCCGGCGGGCCCTCGCGCGCCTC 106
      ||| ||| | | ||| |||| | || | | | | | |
Db      565  CCCAGGAGCTCCTCAGCCACCGCCGCTCCAGTCTGCTCCGCCCGCTCCGCGAGGACGAGC 624

Qy     107  GGGCGCGGCTCCGCACTGAGCCACCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGG 166
      | | ||| | | | | | | | | | | | | | | | |
Db     625  TCGGCCGCTCTCCGCGCCGTCGACGCGGCGGGCGGCGGGACGGCGGTGAACCTCA 684

Qy     167  GGCTTAAGATGTCTGCCTGAAAGGCTTTCAAATGTGTGTGTCAGCAGCAGCAGCAGCC 226
      | | | |||| | | | | | | | | | | | | | |
Db     685  CGGCGATGATGTCCACCTACGTGCGCGACTCCACGGTGCAGCGCCATCATCGGCAGCCGCC 744

Qy     227  ACGACGAGGCCCCCGTCTGTAACGACAAGCACCTGGACGTGCCCGACATCATCATCAGC 286
      | ||| | | | | | | | | | | | | | | | |
Db     745  GGCTCAAGGACCGCGACGCGTTCCTCCGGATGCTCGACGAGCTGTTACCATCATGCCCCG 804

Qy     287  CCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACAGTCTGGCTGGAT 345
      | | | | | | | | | | | | | | | | | |
Db     805  GGATGAGCCTCCCGACCTCTTCCCGTCGTCGCGCTCGCCATGCTCGTCAGCCGCGCT 863

```

RESULT 12

US-09-815-264-72063

; Sequence 72063, Application US/09815264

; Patent No. 7365185

GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 72063

; LENGTH: 11006

; TYPE: DNA

; ORGANISM: Oryza sativa

US-09-815-264-72063

Query Match 5.2%; Score 46.2; DB 7; Length 11006;

Best Local Similarity 47.2%; Pred. No. 0.85;

Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;

```

Qy      47  CCCCCGAGCCCGACCGCCGCCACCACCAGCGCCCGGGCGGCGCTCGCGCGCCTC 106
      ||| ||| | | ||| |||| | ||| | | | | | | | |
Db      5739 CCCAGGAGTCTCTCAGCCACCGCGCGTCCAGTCGTTCCGCCCGCTCCGCGAGGACGAGC 5798

Qy      107 GGGCGCGGCTCCGAGTGAGCCCAAGAAGGAAGCGGCTGCAGAGGTGCCGACATGG 166
      | | | | | | | | | | | | | | | | | | | | | |
Db      5799 TCGGCCGCGCTCTCCGCGCCGTCGACGCGGCGGCGGCGGCGGACGGCGGTGAACCTCA 5858

Qy      167 GGCTTAAGATGTCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGC 226
      | | | | | | | | | | | | | | | | | | | | | |
Db      5859 CGGCGATGATGTCCACCTACGTCGCCGACTCCACGGTGCAGCGCCATCATCGGCAGCCGCC 5918

Qy      227 ACGACGAGGCCCCCGTCTGAACGACAAGCACCTGGACGTGCCCGACATCATCATCACGC 286
      | | | | | | | | | | | | | | | | | | | | | |
Db      5919 GGCTCAAGGACCGCGACGCGTCTCCGGATGCTCGACGAGCTGTTACCATCATGCCCCG 5978

Qy      287 CCCCCACCCCCACGGGCATGATGCTGCCGAGGACTTGGGGAGCACAGTCTGGCTGGAT 345
      | | | | | | | | | | | | | | | | | | | | | |
Db      5979 GGATGAGCCTCCCGACCTCTTCCCGTCGTCGCCCTCGCCATGCTCGTCAGCCGCGCT 6037

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RESULT 13

US-09-815-264-71914/c

; Sequence 71914, Application US/09815264

; Patent No. 7365185

GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 71914

; LENGTH: 23091

; TYPE: DNA

; ORGANISM: Oryza sativa

US-09-815-264-71914

Query Match 5.2%; Score 46; DB 7; Length 23091;

Best Local Similarity 50.5%; Pred. No. 1.2;

Best Local Similarity 60.8%; Pred. No. 0.56;

Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

```

Qy      10  CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGCCCCCGAGCCCGACCGCCGCCGC 69
          ||||| | | | | | | | | | | | | | | | | | | | | |
Db      458  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGCCCGCCCCCCCCCCC 399

Qy      70  CACCACCACAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
          | | | | | | | | | | | | | | | | | | | | | | |
Db      398  CCCCCCGCGCGGCCCGGGCGCGCGCCCGGCGCGCCCCGCGCCCGCCGCCCGGGCGCNC 339

```

RESULT 15

US-09-815-264-82346

; Sequence 82346, Application US/09815264

; Patent No. 7365185

; GENERAL INFORMATION:

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Cao, Yongwei

; APPLICANT: Dotson, Stanton B.

; APPLICANT: Koshi, Jeffrey M.

; APPLICANT: Kovalic, David K.

; APPLICANT: Liu, Jingdong

; APPLICANT: McIninch, James

; APPLICANT: Wu, Wei

; TITLE OF INVENTION: Genomic Plant Sequences And Uses Thereof

; FILE REFERENCE: 38-21(51237)G

; CURRENT APPLICATION NUMBER: US/09/815,264

; CURRENT FILING DATE: 2001-03-23

; PRIOR APPLICATION NUMBER: US 09/620,392

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: US 09/702,134

; PRIOR FILING DATE: 2000-10-31

; NUMBER OF SEQ ID NOS: 109669

; SEQ ID NO 82346

; LENGTH: 5022

; TYPE: DNA

; ORGANISM: Oryza sativa

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(5022)

; OTHER INFORMATION: unsure at all n locations

US-09-815-264-82346

Query Match 5.2%; Score 45.4; DB 7; Length 5022;

Best Local Similarity 60.8%; Pred. No. 1;

Matches 73; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

```

Qy      10  CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCGCGGCCCCCGAGCCCGACCGCCGCCGC 69
          ||||| | | | | | | | | | | | | | | | | | | | | |
Db      4565 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGCCCGCCCCCCCCCCC 4624

```


SCORE 8.0